

STRUCTURALLY REINFORCED RESINOUS ARTICLE AND METHOD OF MAKING

ABSTRACT

A process for forming a shaped, multilayer article comprises heating a reinforced resinous substrate to a thermoforming temperature to form a heated substrate; contacting a surface of the heated substrate with a surface of shaped surface component, wherein the heated substrate has a sufficient concentration of heated resin at the surface thereof for bonding the heated substrate to the shaped surface component; and thermoforming the heated substrate at a pressure less than or equal to about 500 psi (3447 kPa) to provide a bond at an interface between the surface of the thermoformed substrate and the surface of the shaped surface component.